The second group comprises APIs that are increased in the CSF of subjects having Alzheimer's disease as compared with the CSF of subjects free from Alzheimer's disease. The amino acid sequences of peptides produced from these APIs by proteolysis using trypsin and identified by tandem mass spectrometry and database searching using the SEQUEST program are listed in Table V (SEQ ID NOs:270-458), in addition to their corresponding pIs and MWs.Please substitute Table V at page 31, line 10 to page 36, line 1, with the amended Table V submitted in the attached pages entitled "Table V". Table V is amended to include sequence identifiers.

Please substitute Table VI at page 39, lines 1-40, with the amended Table VI submitted in the attached pages entitled "Table VI". Table VI is amended to include sequence identifiers.

Please substitute Table IX at page 62, line 15 to page 63, line 1, with the amended Table IX submitted in the attached pages entitled "Table IX". Table IX is amended to include sequence identifiers.

In the Claims:

14. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectrometry: PGLGM (SEQ ID NO:467).

15. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: GPLGM (SEQ ID NO:479).

16. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: PGLGF (SEQ ID NO:470).

17. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: GPLGF (SEQ ID NO:482).

18. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectrometry: PGIGM (SEQ ID NO:473).

19. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: GPIGM (SEQ ID NO:485).

20. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: PGIGF (SEQ ID NO:476).

21. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: GPIGF (SEQ ID NO:488).

23. (Amended) The preparation according to any one of claims 14, 15, 16, 17, 18, 19, 20 or 21, wherein the protein further comprising a tryptic digest peptide having the following partial sequence as determined by mass spectrometry: HQV (SEQ ID NO:464).

24. (Amended) The preparation according to any one of claims 14, 15, 16, 17, 18, 19, 20 or 21, wherein the protein further comprising a tryptic digest peptide having the following partial sequence as determined by mass spectrometry: HQV (SEQ ID

NO:464), wherein the tryptic digest peptide has a mass of 1096.56 Da, and an N-terminal mass of 0 Da, and a C-terminal mass of 733.50 Da, said masses having an error of measurement of 100 parts-per-million or less.

25. (Amended) A preparation comprising an isolated human protein, said protein comprising a tryptic digest peptide having the following partial sequence as determined by mass spectroscopy: HQV (SEQ ID NO:464).

33. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCNGGNYTNGGNATG (SEQ ID NO:469).

34. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGNCCNYTNGGNATG (SEQ ID NO:481).

35. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCNGGNYTNGGNTTY (SEQ ID NO:472).

36. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGNCCNYTNGGNTTY (SEQ ID NO:484).

37. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCNGGNATHGGNATG (SEQ ID NO:475).

38. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCNGGNATHGGNTTY (SEQ ID NO:478).

39. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGNCCNATHGGNATG (SEQ ID NO:487).

40. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGNCCNATHGGNTTY (SEQ ID NO:489).

41. (Amended) The isolated nucleic acid molecule according to any one of claims 33, 34, 35, 36, 37, 38, 39, or 40, wherein the nucleic acid also hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CAYCARGTN (SEQ ID NO:466).

42. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCCGGCCTGGGCATG (SEQ ID NO:468).

43. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid

sequence: GGCCCCCTGGGCATG (SEQ ID NO:480).

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44. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCCGGCCTGGGCTTC (SEQ ID NO:471).

45. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGCCCCCTGGGCTTC (SEQ ID NO:483).

46. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCCGGCATCGGCATG (SEQ ID NO:474).

47. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CCCGGCATCGGCTTC (SEQ ID NO:477).

48. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGCCCCATCGGCATG (SEQ ID NO:491).

49. (Amended) An isolated nucleic acid molecule that hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: GGCCCCATCGGCTTC (SEQ ID NO:492).

50. (Amended) The isolated nucleic acid molecule according to any one of claims 42, 43, 44, 45, 46, 47, 48 or 49, wherein the nucleic acid also hybridizes under highly stringent conditions or moderately stringent conditions to the following nucleic acid sequence: CACCAGGTG (SEQ ID NO:465).